IN THE CLAIMS

The following represents the complete listing of the claims in this application in the present state including any amendments sought to be entered at this time.

Claims 1-50. (Cancelled.)

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51. (Currently Amended.) A container handling system as in claim 63 wherein said hydraulic rotary actuator has a double-ended output shaft and wherein said mechanized pivoting arm arrangement includes a pair of spaced parallel curved arms, one attached to be operated by each end of said double-ended output shaft.

52. (Currently Amended.) A container handling system as in claim 63 wherein said control system includes a speed controller for controlling the pivoting speed of said mechanized pivoting arm arrangement based on sensed angular arm position.

53. (Currently Amended.) A container handling system as in claim 51 wherein said control system includes a speed controller for controlling the pivoting speed of said mechanized pivoting arm arrangement based on sensed angular arm position.

54. (Cancelled.)

55. (Currently Amended.) A container handling system as in claim 63 wherein said sensing system for sensing the angular position of said at least one arm includes an angular displacement transducer attached to sense the rotational position of said hydraulic rotary actuator.

56. (Currently Amended.) A container handling system as in claim 51 wherein said sensing system for sensing the angular position of said arm arrangement includes an angular displacement transducer attached to sense the rotational position of said hydraulic rotary actuator.

No clear antecedent

same as Cl. 56

57. (Currently Amended.) A container handling system as in claim 52 wherein said sensing system for sensing the angular position of said arm arrangement includes an angular displacement transducer attached to sense the rotational position of said hydraulic rotary actuator.

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Claim 58. (Cancelled.)

N/A

59. (Previously Amended.) A container handling system as in claim 64 further comprising control means for damping the action of said hydraulic cylinder toward the extremes of travel thereof.

60. (Previously Amended.) A container handling system as in claim 63 wherein said extensible boom is mounted on a side loading refuse vehicle so as to enable the emptying of containers into a charging hopper of said vehicle.

61. (Previously Added.) A container handling system as in claim 56 wherein said extensible boom is mounted on a side loading refuse vehicle so as to enable the emptying of containers into a charging hopper of said vehicle.

62. (Previously Added.) A container handling system as in claim 57 wherein said extensible boom is mounted on a side loading refuse vehicle so as to enable the emptying of containers into a charging hopper of said vehicle.

63. (Currently Amended.) A container handling system for mounting on a refuse vehicle comprising:

(a) an extensible boom adapted to be mounted on a refuse vehicle and extendible laterally from a side thereof ~~so as to provide variable lateral, generally horizontal range with respect to accessing and discharging containers of interest~~;

(b) a mechanized pivoting arm lift-and-dump arrangement describing a lift-and-dump

radius, carried by said extensible boom, and including a reversible hydraulic rotary actuator having at least one rotating output shaft end and including at least one ~~curved~~ arm said at least one arm being curved to reduce said lift-and-dump radius and being connected to be supported by and connected to rotate with an output shaft end of said rotary actuator;

(c) a separately operated container grabber device for grabbing and releasing containers of interest, said grabber device being carried by the free end of said at least one ~~or more curved arms~~ arm in an offset arrangement;

(d) a boom extension position sensing system for sensing the relative extension of said boom;

(e) an arm position sensing system for monitoring the angular position of said one or more curved arms based on the sensed rotational position of said hydraulic rotary actuator;

(f) actuators for extending and retracting said boom and operating said container grabber device; and

(g) a control system for controlling the operation of said container handling system.

64. (Currently Amended.) A container handling system for mounting on a refuse vehicle comprising:

(a) an extensible boom adapted to be mounted on a refuse vehicle and extendable laterally therefrom so as to provide variable lateral, generally horizontal range with respect to accessing and discharging containers of interest;

(b) a mechanized pivoting arm lift-and-dump arrangement describing a lift-and-dump radius, carried by said extensible boom, and including a double acting reversible

hydraulic linear actuator and including at least one ~~curved~~ arm, said at least one arm being curved to reduce said lift-and-dump radius and being connected to be supported by and rotate with a mounting shaft carried by and journalled with respect to said extensible boom;

(c) a separately operated container grabber device for grabbing and releasing containers of interest, said grabber device being carried by the free end of said at least one ~~or more curved arms~~ arm in an offset arrangement;

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(d) a boom extension position sensing system for sensing the relative extension of said boom;

(e) an arm position sensing system for sensing the angular position of said one or more curved arms based on the rotational position of said mounting shaft;

(f) actuators for extending and retracting said boom and operating said container grabber device; and

(g) a control system for controlling the operation of said container handling system.